8: Ascher E-5 (1960) 1962 NU31 Seri NU31

for the point may come from the transmission of an abandoned car or from flotsam. The wood for the hafting can be mesquite or ironwood, both indigenous in the area; waste from boat construction or other scraps of wood may also be used. Rubber for the gasket may be obtained from a worn automobile tire. The wrapping cord and lead cord are store bought, and mesquite gum is used to seal the hafting.

In manufacturing foreshafts Seri fishermen use three tools: a knife, a hacksaw blade, and a triangular file. The hacksaw blade is used to cut an appropriate length of metal for the point and to rough out the barb; the triangular file is employed to finish the point barb and stem; the tang of the file is used to puncture the hole in the gasket which is to receive the point. The shaping of the hafting and gasket, and the cutting and wrapping of the lead cords, are accomplished with a knife.

With regard to the method of manufacture, all fishermen report essentially the same procedure. They describe the pattern as a series of steps under two headings: (1) shaping and (2) assembling. Two individuals did not mention steps 1c and 2b, and the others considered these two steps to be optional.

1) Shaping
   a) Shaping the metal into a point
   b) Shaping the wood for hafting the point
      α) Shaping the general form
      β) Splitting the form lengthwise and grooving each half to receive the point (see section in Figure 1)
   c) Shaping the rubber for the gasket

2) Assembling
   a) Placing the mesquite gum in the grooved portions of each half of the hafting (see section in Figure 1)
   b) Placing the gasket on the point
   c) Inserting the point base into the hafting and reuniting the split hafting form
   d) Wrapping with the wrapping cord and with it interweaving the lead cord
   e) Refinishing the hafting base to fit the mainshaft socket

Four men were able to explain the foregoing procedure in detail and were in agreement in the following matters. The point is shaped before the hafting because its length determines the length of the latter, and because the diameter of the point base dictates the grooving of the haft. The gasket is shaped after the point and the hafting because the diameter of its hole is determined by that of the point base and its total diameter by that of the hafting. The mesquite gum then secures the point and seals the hafting. Interweaving the lead cord with the wrapping cord secures the former to the hafting.

The amount of time required to complete a foreshaft shows marked variation. This is not primarily a function of the working habits of the artisan. If all the materials are present, the time it takes to make a foreshaft ranges from four to eight hours, but if all the materials are not available, as much as a year may be required. There may, for example, be a considerable lapse of time between the shaping of a point and the shaping of a gasket when material for the

262 en simply because their flesh is disliked and unfit for human consumption. But it may also well be that some of them, especially of the giant variety, are not eaten simply because they are far too large to tackle and the Seris fear hunting them.

The Seris indicated also in some cases that larger specimens of fishes are eaten when they reach the size which would justify the effort. This is true of *Malacoctenus zonifer* which they indicated is "eaten when large," that is when at least 10 cm. long.

[226] Although only sometimes did the Seris specifically indicate that certain fishes are used for bait, it is very likely that almost all small or lesser fishes are so used.

262 178 In some cases the Indians indicated changes in preference for given fishes, with the time. For unexplained reason *Gymnothorax casteneus*, the morene, has been claimed to have been eaten in the past but not for the last 11 years. It isn't clear why the figure of 11 had been used and why suddenly in the early 40's they should stop eating it while the Mexican drool over it. But it may be also that here we have merely personal preference of the informants, as so often happens. As for the *pescara* it was formerly taken for food [439] but now it is merely sold to the Mexicans. This practice is increasing also to include the immense *mero*, even larger than the *pescara*. The fish is mainly sold but rarely eaten by the Seris themselves.

Food Preparation and Preferences

252 Food preparation is simple and in the main differs not at all from the preparation of other animal diet. The fish are either boiled whole or in part or else are roasted over slow fire on a grill. The entrails are usually discarded, but otherwise the beasts are eaten entire, eyes, brains and the rest, while the tiny fishlets are eaten complete with the scales and guts.

262 As for the preferences, as expected, there are some fishes that the Seri like better than others. The *bama* in the first place and the *pinto* in the second lead the list. The Seri prefer them to all others and consider them a real delicacy. On the other hand, there are some fishes that they'll eat only under protest, meaning when times are hard. *Girella simplicidens* is one such creature. The *Puerco* or *Cochi* is another. I have seen boat loads of puercos brought in with the other fish and un- [231] ceremoniously dumped out on the beach to the dogs. Literally! The Seris took to this fish only when fishing was poor during the wintry days when they were held ashore by the weather. Even [183] then, they tried to eat the despised creatures on the sly, avoiding being seen doing this, and when I or the Mexicans picked up fresh fish from the beach to take home they laughed saying that we acted as a *cochi* (pig) would!

Other Economic Uses

* 825 237 ●322 One use made of fish concerns two species of sharks, the *chato* and *camposo*. Here, the informants claimed, the oil from their liver had been used in earlier times for polishing wood. This is

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quite possible but I couldn't substantiate the story from contemporary evidence. Perhaps during the height of the shark hunting for the liver oil, the Seris used the oil also for wood polish, although it isn't very clear just what sort of artifact they make would require such treatment. The wooden tools or artifacts among them are in short supply at all times. Finally, the huge horned manta was supposedly hunted also for its hide but just in what circumstances it was not explained. It is the only fish which the Seri ever mentioned as having been put to such use.

Fishing

As already mentioned, fishing nowadays is largely accompanied from flat-bottomed boats with hook and line. The old ways of getting fish by spearing are almost gone for good. Recently, an attempt has been made to teach the Seris siene fishing, but 10 years of these endeavors accomplished only ruination of a number of expensive nets and of much fishing gear and the desertion of the project by the Indians. It may be that their individualistic and almost anarchistic attitudes preclude cooperation, essential in this type of fishing.

The bait is obtained in any one of the three ways: by dynamiting fish in tide pools or along the shore, or by catching small fry with small hook and line, or finally by collecting small fishlets in the tide pools, prying them out from under rocks or simply—and here the Seri boys excel—by shooting them in the tide pools with tiny toy arrows or simply spearing them with a stick. The dynamiting is done with the purchased sticks of dynamite which the Seris obtain in the tiendas. The procedure is often risky and down right dangerous. Some of the Seris have blown themselves up with dynamite. I have seen one of them, who lost both arms and had a jaw broken during a dynamiting trial. He went about with a dirty rag tied up over his head to support the wrecked jaw-bone. He was carried off by measles two years later in the 1955 epidemic.

The Seris' commercial fishing is pretty much controlled and exploited by the two or three Mexican fish traders from Nogales and Hermosillo. These have their tiendas in Desemboque, which at set price sell things to the villagers. They also provide the Indians with the five horse-power motors for fishing trips and pleasure cruises and with the oil and gasoline essential to run these—also at set price. They finally purchase the fish—at a set price—and from the proceeds the Seris purchase goods at the tiendas, completing the cycle. Not all Seris are compelled to work for the Mexicans, and, in fact, they do not always do so. Some families stay away from Desemboque and depend on the sail and oars for propulsion. They come to the village only once every few months to obtain supplies. Even when in the village, the Seris make little effort to fish for more than they wish to get in order to satisfy their immediate needs.

Fishing expeditions usually take place in the morning. Most Seris will set off before daybreak and will return with the catch by 11 a.m. or noon.

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123 We have given the Seris so much we are now short ourselves. Variety is very restricted. We haven't enough tin dishes or tools to go around, but that does not trouble us at all. All the cleaning is done in salt water and sand. Fresh water is only used to drink. Nothing else. We can't even take a shave. Not a drop of water. We are very lax in our personal toilets and appearance. We are barefooted always in the boat, as we have to wade to get the boat in deep water, and often the waves slosh on board.

This boat is made of a hollowed log twenty feet long and three feet, three inches wide, and she is very cranky. She almost upset with us several times. When everybody is placed in it, it is difficult to even change a posture without endangering everybody. She has no keel and leaks some, so we have to bail out often. But she is a good sea boat and rides the waves well if they are not too rough.

123 439 [207] [484] One evening we decided to get a message through to Juan Tomas, the Chief, some twenty or thirty miles distant. Herrera promised to go if we gave him twenty thirty-thirty cartridges. He would go one day and return the next, a round trip of about fifty miles. We gave him the message to tell those people we had a lot of things to trade for the things they use in every day life. Pelican skin kilts, bows and arrows, ollas, baby cradles, hair brushes and other interesting things. I had already made a trade with Blanco for his *balsa*, promising him sufficient lumber, nails and tools, to make a boat large enough to carry five men. This promise I fulfilled to the letter, and later on another expedition to Seriland I had the pleasure of sailing in this boat, which was well built and seaworthy. The unusual part of this bargain was that Blanco permitted me to deprive him of his only means (apparently) of making a living in hunting *cahuama* for himself and his family, freely and without hesitation, simply on my promise of lumber in the future. I was deeply touched by the trust reposed in me by this old sea rover.

322 [50] These people are splendid mechanics with the crudest of tools---rocks, fire, bones, knives. For instance, the pole of the harpoon was composed of five pieces of driftwood and a seagoing boat which I saw in Guaymas, captured by Mexican fishermen after killing the Seri crew, was composed of fully one hundred pieces of driftwood fastened with nails made of wire, and tied with fiber, and all the seams were filled with a black composition of native origin resembling pitch. Previous [325] to the use of old iron, harpoon points were made of ironwood, but now iron is universally used.

283 [123] I asked old Blanco for some of his native rope. He gave me some of it. He said they get the slender roots of the mesquite and peel the bark, and then the girls and women chew the fibrous wood. This is shredded and twisted into small two-stranded ropes. It is this rope, tied around and around, that holds the *carriso balsa* together.